

ABSTRACT FOR JP 83-32744

-1- (WPAT)

ACCESSION NUMBER

79-43222B/23

TITLE

Anode active material prodn. for sealed alkaline storage battery - by dispersing fine powder of zinc and nickel in cadmium salt soln. to form nickel-contg. spongy cadmium

DERWENT CLASSES

A85 L03 X16

ADDED WORDS

TEFLON PTFE POLY TETRA FLUOROETHYLENE

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PRIORITY

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NUMBERS

2 patent(s) 1 country(s)

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SECONDARY INT'L. CLASS.

H01M-004/44

ABSTRACT

JP54053231 A Fine Zn powder and Ni powder are mixed and the mixed powder dispersed in a Cd salt soln. Spongy metallic Cd contg. Ni is produced by substitution reaction. the Ni-contg. spongy Cd is ground to powder. Anode active material produced is cheap and has high activity. The prodn. steps can be simplified. In an example, a powdery mixt. consists of 19 wt. % of metallic Cd power contg. Ni, 80 wt. % of CdO powder and 1 wt. % of non-sintered Teflon powder. A paste mixt. consists of 3.0 wt. % of disodium phosphate, 0.6 wt. % of hydroxy propyl cellulose and 96.4 wt. % of water. 100 pts.wt. of the powdery mixt. and 35 pts.wt. of the paste mixt. are kneaded to form rubbery material. The rubbery material is deposited on a Ni-plated punched Fe plate to form an anode plate.